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General National
Services Capital
Administration Region Washington, DC 20407

Date : July 19, 1985
Reply to : Arthur J. Carlucci, Project Manager
Attn of : Headquarters Expansion Project
Subject: Completion of R.F. Shielding Proto-Type

STAT
To :


CIA, New Building Project Office

Transmitted herewith is a notification from Centex Construction that the R.F. Shielding Proto-Type structure is now complete and ready for testing by the Government.

Completion of the proto-type is required by contract 120 calendar days after Notice to Proceed. The contractor appears to have met this date, July 11, 1985.

Accordingly, it is requested that your office schedule the necessary inspection and testing required by the contract as soon as possible.

For your convenience, we are also forwarding to you a copy of the pre-bid schedule, a copy of the contract specification section 01170 (radio frequency shielding procedures), and a copy of our Mr. Sam Bryson's comments.

Your prompt attention to this matter is greatly appreciated.

Sincerely,


Arthur J. Carlucci
Project Manager

AJC:nj

Attachment

AJC

CENTEX CONSTRUCTION COMPANY, INC.
POST OFFICE BOX 427 • MERRIFIELD, VA. 22116 • TELEPHONE (703) 698-6886

July 15, 1985

PLEASE ADDRESS REPLY TO:

P.O. BOX 6510
McLEAN, VA 22106-6510
Phone: (703) 448-6810

Arthur J. Carlucci, Project Manager
New Building Project Field Office
Room 3E40, Headquarters Building
Central Intelligence Agency
Washington, D.C. 20505

Re: CIA Headquarters Expansion
Bid Package 2
Langley, Virginia
Contract No. GS-11B-19066

Subj: Proto-type Contract Completion
Specification Section 01010

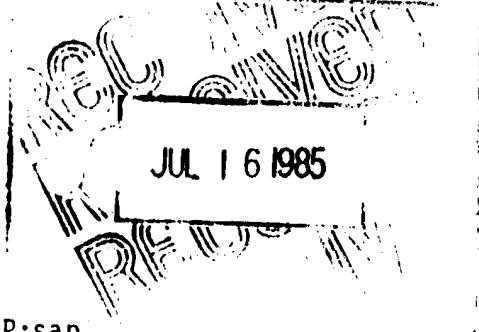
Gentlemen:

In accordance with the above referenced specification section we hereby serve notice that the Radio Frequency Shielding Proto-type Structure is completed as per the specified date of completion, Saturday, July 13, 1985.

The following items are on our punch list and will be completed by July 15, 1985.

- a. Installation of the copper mesh screen at the 4" expansion joint, 20" water pipe, 1½" pipe.
- b. Install door gasket.
- c. General clean-up.

We trust upon your inspection of this structure, you will find construction in order as per the contract documents. We ask that you provide information as to the shielding effectiveness testing program so we may coordinate with R & B Enterprises. We would like to know details pertaining to test methods, planned dates for testing, etc.



Very truly yours,

CENTEX CONSTRUCTION COMPANY, INC.

Joseph A. Pius
Joseph A. Pius
Assistant Project Manager

JAP:sap

cc: Merrifield Office
R & B Enterprises

Br



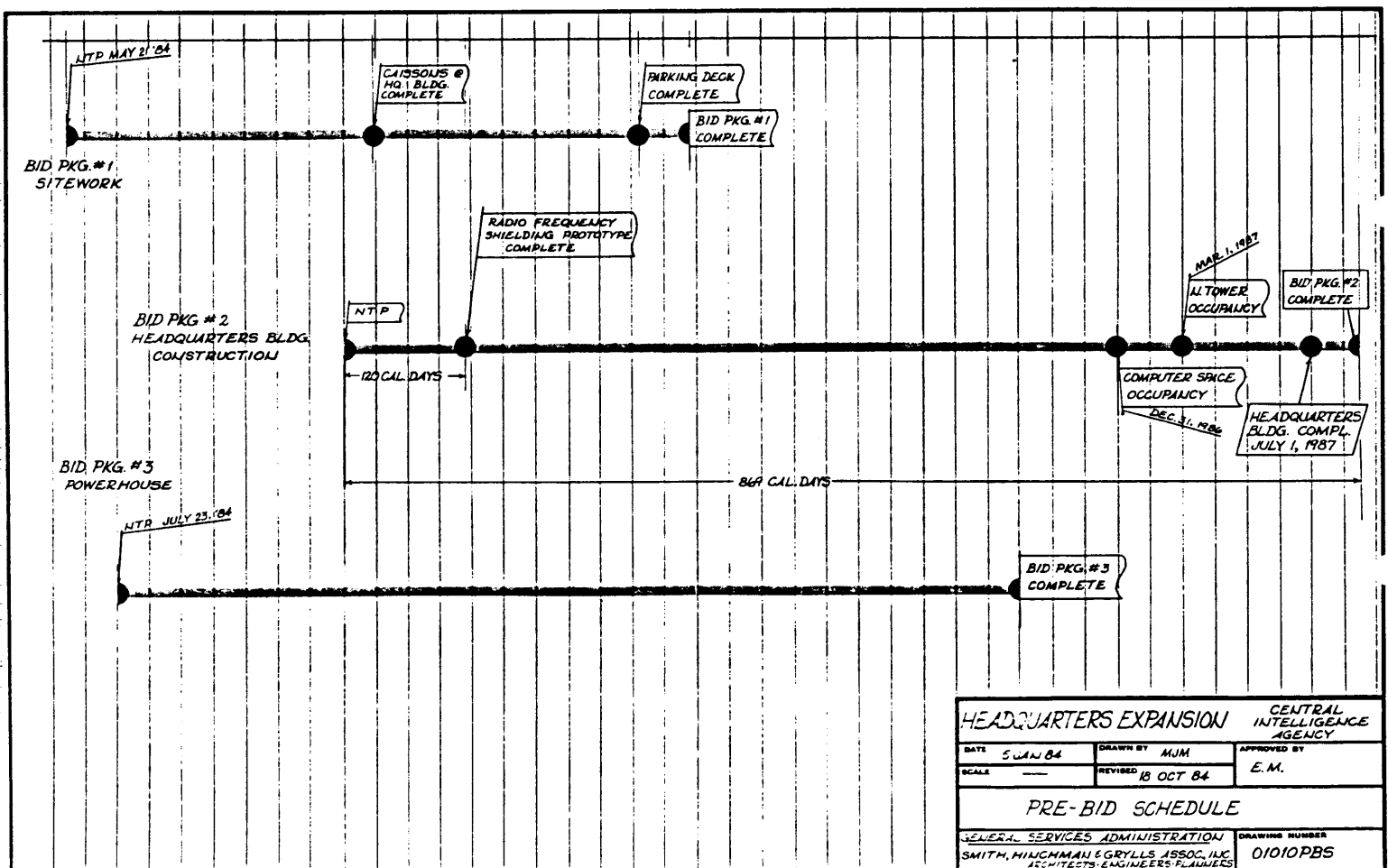
Date : July 18, 1985
Reply to :
Attn of : Sam Bryson
Subject : R. F. Shielding Proto-Type
To : Arthur J. Carlucci

Comments on Centex letter of July 15, 1985 regarding R.F. Shielding proto-type structure.

1. Construction was performed as per contract documents.
2. However, several deficiencies were noted, namely:
 - A.) At door entrance, soldering was inadequate - light weight copper "foil" to heavy galvanized steel door frame. Result was inadequate continuous bond.
 - B.) Conductive "caulking" as called for on plans appears inadequate because of expansion/contraction due to ambient temperature changes and lack of elasticity of caulking material.
 - C.) Door closer rubbed against door frame, requiring "notching" of frame and compromising of R.F. Shield or relocation/redesign of door closer.
 - D.) Door frame to door contact surfaces have always been a source of deteriorating leakage with time.
3. Mr. Milhausen verbally requested that R.F. testing be done with transmitting antenna on outside, receiving antenna on inside. Testing should be done on proto-type in a method similar to that specified for the building structure, section 01170, lines 192 - 198; namely transmitting antenna inside, receiving antenna outside.
4. Testing should proceed with proto-type "as is", with appropriate design/construction modifications as required to limit leakage to not more than specified values.

Sam Bryson
SAM BRYSON
SH&G Construction Representative

SB/nj



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